

Converting Colors

$Y_{xy}(30.6540, 0.2778, 0.2370)$

Have a look what the booklet for
Yxy(30.6540, 0.2778, 0.2370)
contains.

Yxy(30.7889, 0.2776, 0.2369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7889, 0.2776, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	A68ACF
RGB	166, 138, 207
RGB Percent	65%, 54%, 81%
CMY	0.3491, 0.4588, 0.1881
CMYK	0.20, 0.33, 0.00, 0.19
HSL	264°, 42%, 68%
HSV	264°, 33%, 81%
XYZ	36.0785, 30.7889, 63.0984
YIQ	154.2380, -5.4610, 27.3950

Conversions

Conversions Part 2

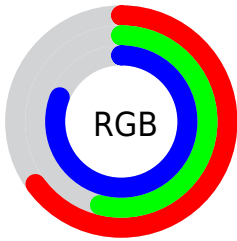
Format	Color
RYB	166, 138, 207
Decimal	10914511
CIELab	62.33, 24.40, -31.69
CIELCh	62, 39.999, 307.593
Yxy	30.7889, 0.2776, 0.2369
Android (android.graphics.Color)	4289104591 (0xFFA68ACF)
YUV	154.2380, 26.0117, 10.3153
Hunter-Lab	55.4877, 18.9584, -28.5807

Details

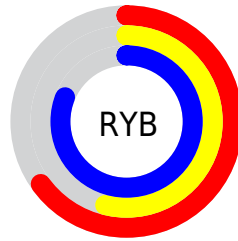
The Yxy color **30.7889, 0.2776, 0.2369** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.0706, 0.3395, 0.4183**, and the grayscale version is **32.3106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4489, 0.2911, 0.2626**, and **12.7572, 0.2659, 0.2124** is the 20% darker color. If you saturate the color by 10%, you get **24.1374, 0.2640, 0.2060**, and if you desaturate by 10%, it is **38.7026, 0.2898, 0.2668**.

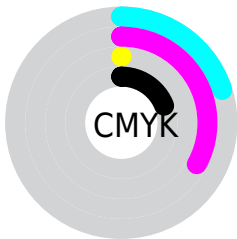
Distribution



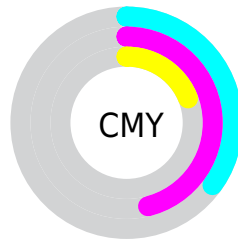
- Red (65%)
- Green (54%)
- Blue (81%)



- Red (65%)
- Yellow (54%)
- Blue (81%)



- Cyan (20%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)





- Cyan (35%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7889, 0.2776, 0.2369 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.7889, 0.2776, 0.2369 by changing the saturation by 10% instead.


 30.7889, 0.2776,
0.2369


 30.7889, 0.2776,
0.2369


305.5646, 0.2969,
0.2828


 20.4382, 0.2723,
0.2256


 60.9076, 0.2850,
0.2535

 12.7139, 0.2652,
0.2113


 81.4443, 0.2876,
0.2597

 7.2319, 0.2554,
0.1927


 106.1451, 0.2898,
0.2651

 3.6075, 0.2409,
0.1677

135.3944, 0.2917,
0.2696

 1.4565, 0.2182,
0.1329

169.5766, 0.2933,
0.2736

 0.2578, 0.1848,
0.0567

209.0761, 0.2946,

 0.0000, 0.0000,

0.2771

0.0000

254.2773, 0.2958,
0.2801

■ 30.7889, 0.2776,
0.2369

■ 30.7889, 0.2776,
0.2369

■ 24.1374, 0.2640,
0.2060

■ 38.7026, 0.2898,
0.2668

■ 18.6763, 0.2493,
0.1754

■ 47.9377, 0.3006,
0.2949

■ 14.3320, 0.2341,
0.1465


■ 58.5539, 0.3099,
0.3209


■ 11.0211, 0.2189,
0.1210


■ 70.6063, 0.3179,
0.3444


■ 8.6477, 0.2047,
0.1005

■ 84.1468, 0.3246,
0.3655

 7.0966, 0.1920,
0.0860

 94.5270, 0.3312,
0.3775

 6.3885, 0.1846,
0.0791

 96.7537, 0.3393,
0.3763

 97.2870, 0.3411,
0.3760

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7889, 0.2288, 0.2297



30.7889, 0.2776, 0.2369



30.7889, 0.3417, 0.2632

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.7889, 0.2776, 0.2369



30.7889, 0.4337, 0.3997



30.7889, 0.2273, 0.3478

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.7889, 0.2776, 0.2369



56.0706, 0.3395, 0.4183

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.7889, 0.2760, 0.4113



30.7889, 0.2776, 0.2369



30.7889, 0.3958, 0.4366

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.7889, 0.2776, 0.2369



30.7889, 0.4376, 0.3518



30.7889, 0.3378, 0.4450



30.7889, 0.2021, 0.2858

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.7889, 0.2776, 0.2369



30.7889, 0.3843, 0.2891



30.7889, 0.3378, 0.4450



30.7889, 0.2412, 0.3704

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.7901, 0.2776, 0.2369



82.0325, 0.3038, 0.3036



42.3213, 0.2609, 0.2909



17.0577, 0.3024, 0.2998



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7901, 0.2776, 0.2369



41.5178, 0.2680, 0.2149



34.9827, 0.3099, 0.2452



11.6482, 0.3044, 0.3054



4.0753, 0.1860, 0.0798



0.2737, 0.2071, 0.0914

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.7056, 0.3444, 0.2781



48.8798, 0.3537, 0.2671



52.4916, 0.3131, 0.4260



11.9245, 0.3199, 0.3153



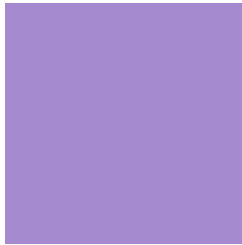
9.2794, 0.4551, 0.2281



0.5344, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 30.7889, 0.2776, 0.2369 looks on a white background.

Color Contrast Check

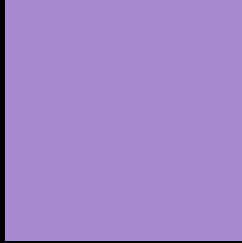
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.7889, 0.2776, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

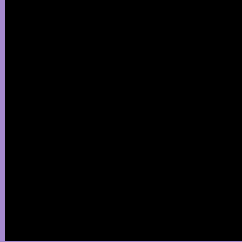
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7889, 0.2776, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 30.7889, 0.2776, 0.2369.



This preview shows how white text looks on a background with the Yxy color 30.7889, 0.2776, 0.2369.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.7889, 0.2776, 0.2369

Protanopia

31.1470, 0.2441, 0.2360

Deuteranopia

31.0536, 0.2543, 0.2486



Tritanopia

30.9521, 0.3125, 0.3125

Trichromacy



Original Color

30.7889, 0.2776, 0.2369

Protanomaly

30.8439, 0.2551, 0.2361

Deuteranomaly

30.8180, 0.2617, 0.2436

Tritanomaly

30.6582, 0.2998, 0.2827

Monochromacy



Original Color

30.7889, 0.2776, 0.2369

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.4660, 0.2995, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7889, 0.2776, 0.2369 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 138, 207)` looks like.

```
.text, #text, p{  
    color:rgb(166, 138, 207)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 138, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 138, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.7889, 0.2776, 0.2369 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 138, 207) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(166, 138, 207) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(166, 138, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 138, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 138, 207);  
box-shadow:4px 4px 4px 4px rgb(166, 138,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7889, 0.2776, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 138, 207) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
138, 207) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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